

*Department of Energy  
Richland Operations Office  
Agency Update*

# Hanford Advisory Board

*June 2, 2011*



*Nick Ceto*

*Record of Decision Program Manager  
DOE Richland Operations Office*



# Complete Hanford Site 2015 Vision

*Building on ARRA momentum, Richland Operations Office team will:*



- ✓ Shrink the active cleanup footprint by 90% Hanford footprint reduced from 586 square miles to 75 square miles. Deactivate and demolish over 487 Buildings
- ✓ Protect the Columbia River Remove contaminated soil and solid waste adjacent to the river and stop key contaminants from entering the river
- ✓ Complete Clean Out and Demolish the Plutonium Finishing Plant Complex Deactivate and demolish over 80 facilities/structures. Eliminates the highest risk nuclear facility on the Hanford Site by the end of 2013.
- ✓ Contain key contaminants on the Central Plateau Install critical groundwater pump and treat systems by 2012, and operate them to contain key contaminants to the center portion of Hanford so they do not reach the Columbia River in the future.
- ✓ Disposition 90% of legacy TRU waste by 2015
  - Continue transuranic waste retrieval from underground storage, treating for disposal and shipping TRU waste to the Waste Isolation Pilot Plant
  - Retrieval of stored TRU waste is 66% complete (about 10,000 m3 out of 15,000 m3)
- ✓ Reduce Hanford Site infrastructure costs by 10% As a result of shrinking the active cleanup footprint, costs associated with infrastructure and site services are reduced by at least \$25 Million per year starting in FY 2015.

[illegible]

Hanford Reach National Monument

River Corridor

Tank Farms

Outer Area

Tank Farms

Inner Area

Central Plateau

Hanford Reach National Monument

Energy Northwest

Plateau

Corridor

Reach National Monument

Area

- D1102005-3

# Richland Operations Office

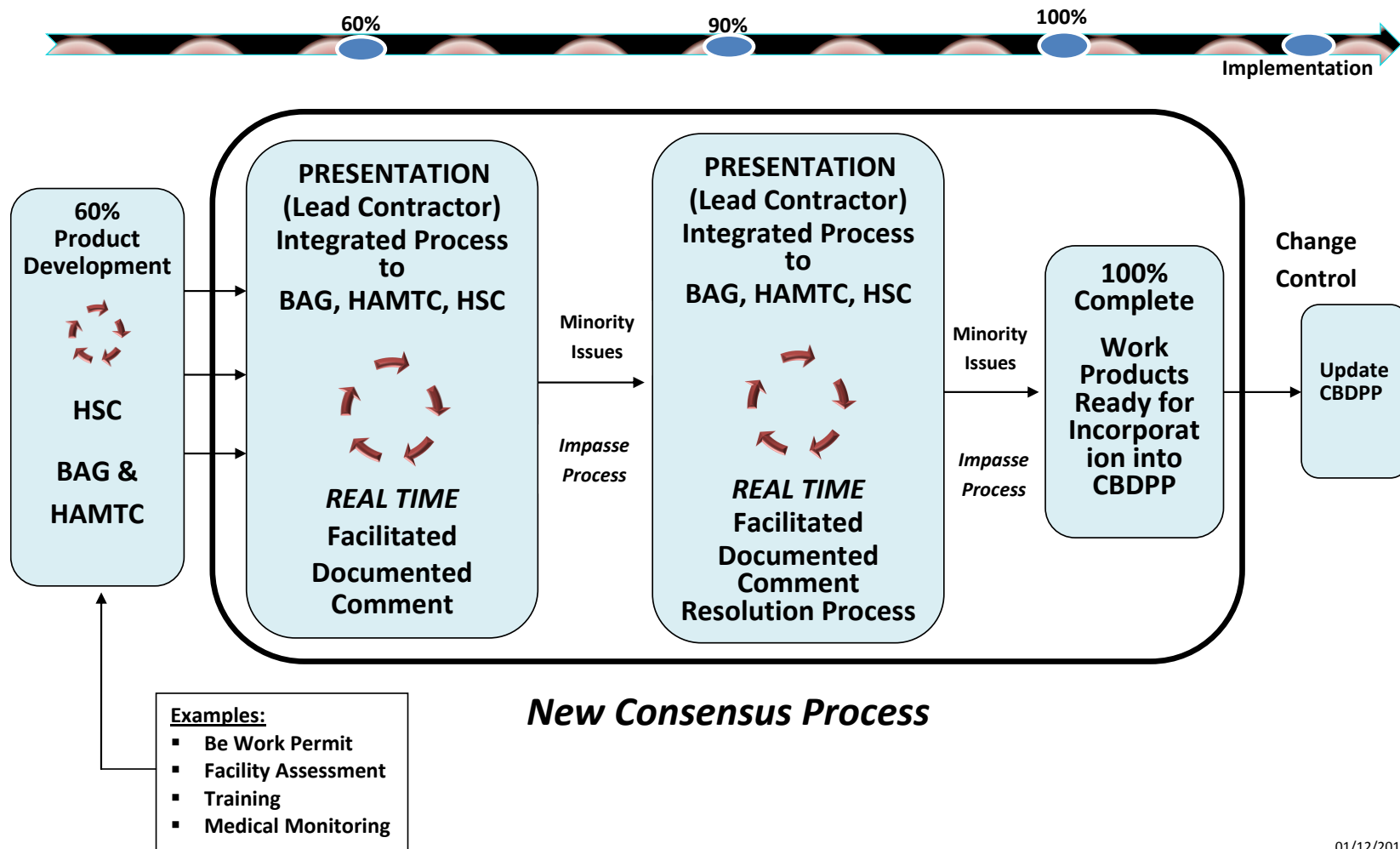
## Fiscal Year 2011 Allocation of EM Cleanup Funding

*\$ in thousands*

PBS	PBS Title	FY09 Appropriation	FY10 Appropriation	FY11 Appropriation
RL-0011	NM Stabilization and Disposition - PFP	113,483	118,087	69,102
RL-0012	SNF Stabilization and Disposition	124,671	95,325	94,016
RL-0013	Solid Waste Stabilization and Disposition - 200 Area	192,345	132,757	128,034
RL-0030	Soil and Water Remediation - Groundwater/Vadose Zone	175,237	223,766	164,629
RL-0040	Nuclear Facility D&D - Remainder of Hanford	103,283	70,250	139,641
RL-0041	Nuclear Facility D&D - River Corridor Closure Project	238,337	327,955	351,028
RL-0100	Richland Community and Regulatory Support	19,620	21,940	19,540
<b>Subtotal</b>	<b>Defense Appropriation</b>	<b>966,976</b>	<b>990,080</b>	<b>965,990</b>
RL-0020	Safeguards and Security	79,765	82,771	69,234
RL-0042	Nuclear Facility D&D - Fast Flux Test Facility Project	10,755	7,652	3,652
<b>Total - RL</b>	<b>Office Total</b>	<b>1,057,496</b>	<b>1,080,503</b>	<b>1,038,876</b>



# Beryllium Corrective Action Program Update



01/12/2011

# Hanford Reach National Monument



## HANFORD REACH NATIONAL MONUMENT

April 13, 2011 Status

### ALE/NORTH SLOPE CLOSURE AREA

Area	Location	Status
HRNM-1	ALE	Completed 11-30-10
HRNM-2	ALE	Completed 9-8-10
HRNM-3	ALE	Completed 10/24/10
HRNM-4	ALE	Completed 6-14-10
HRNM-5	ALE	Completed 9-30-10
HRNM-6	ALE	Completed 9-30-10
HRNM-7	ALE	Completed 9-30-10
HRNM-8	ALE	Completed 9-30-10
HRNM-9	ALE	Completed 5-27-10
HRNM-10	ALE	Completed 6-3-10
HRNM-10	North Slope	Started 12-28-10
HRNM-11	North Slope	Scheduled to Start 1-12-11
HRNM-12	North Slope	Completed 1-21-11
HRNM-13	North Slope	Completed 4-12-11
HRNM-14	North Slope	Started 12-1-10
HRNM-15	North Slope	Completed 12-8-10
HRNM-16	North Slope	Completed 12-8-10
HRNM-17	North Slope	NPCE Sites Complete 12-3-10
HRNM-18	North Slope	Completed 4-8-11

- STARTED
- NOT STARTED
- COMPLETED
- PHYSICAL WORK COMPLETE

*Arid Lands  
Ecology Reserve*



*North Slope*

# River Corridor – Progress Update



*309 Test  
Reactor*



# River Corridor – Progress Update



324 Building





# River Corridor – Progress Update



618-10 Burial  
Ground



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# River Corridor – Progress Update



618-11 Burial  
Ground



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# River Corridor – Progress Update



*F Area Field  
Remediation*

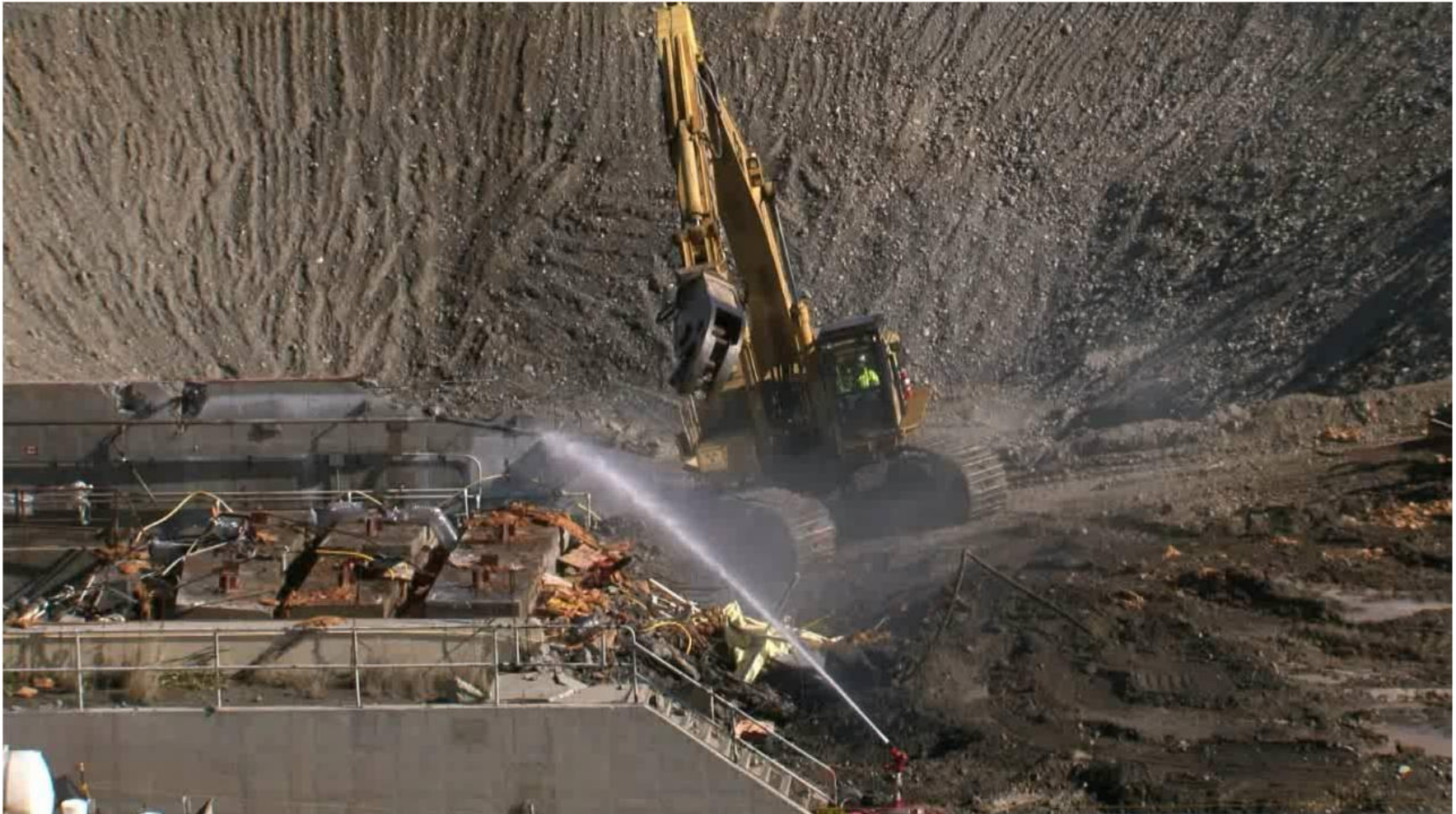




# River Corridor – Progress Update



117 N Demo





# River Corridor – Progress Update



183-4 KW



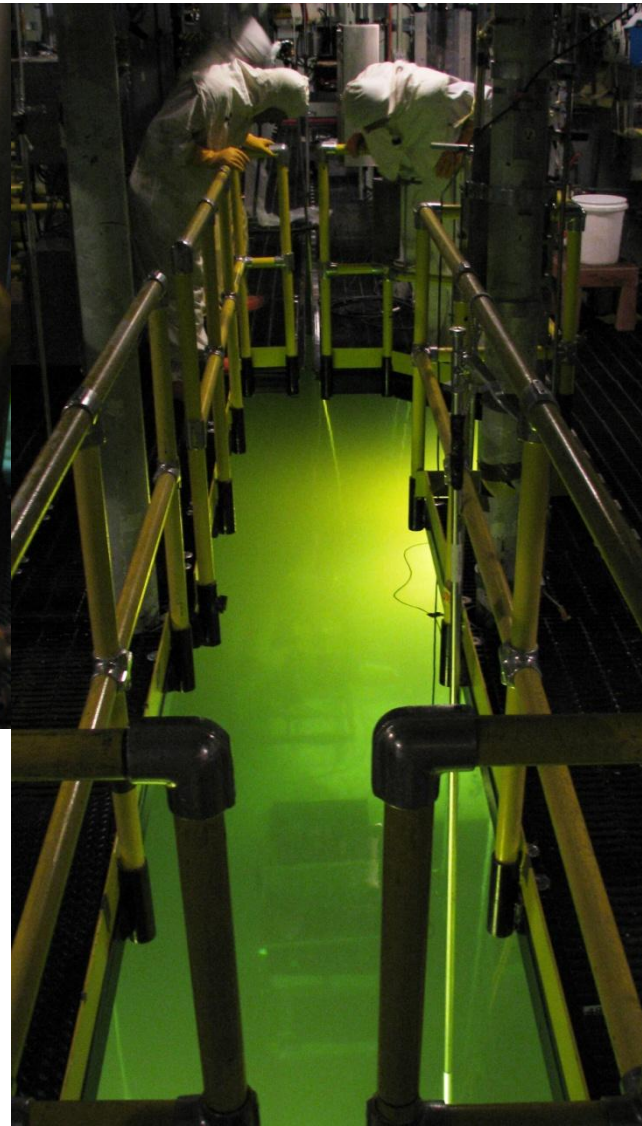
181-KE River Pump Structures



# River Corridor – Progress Update



*Sludge Treatment Project*





# C-7 Excavation



*C-7 Burial  
Ground*

C Reactor



# Groundwater Progress Update

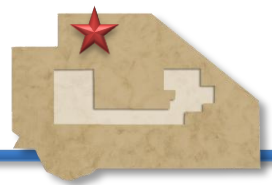


*100 HX Treatment Facility*





# Central Plateau Outer Area Soil & Groundwater Remediation



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# Central Plateau Outer Area



*Locomotive Delivered  
to B Reactor*



*Seed spraying BCCA*

# Central Plateau Inner Area Pump and Treat Facility - Progress



*200 W Pump and  
Treat piping support*



*200 W Pump and  
Treat skid arrival*



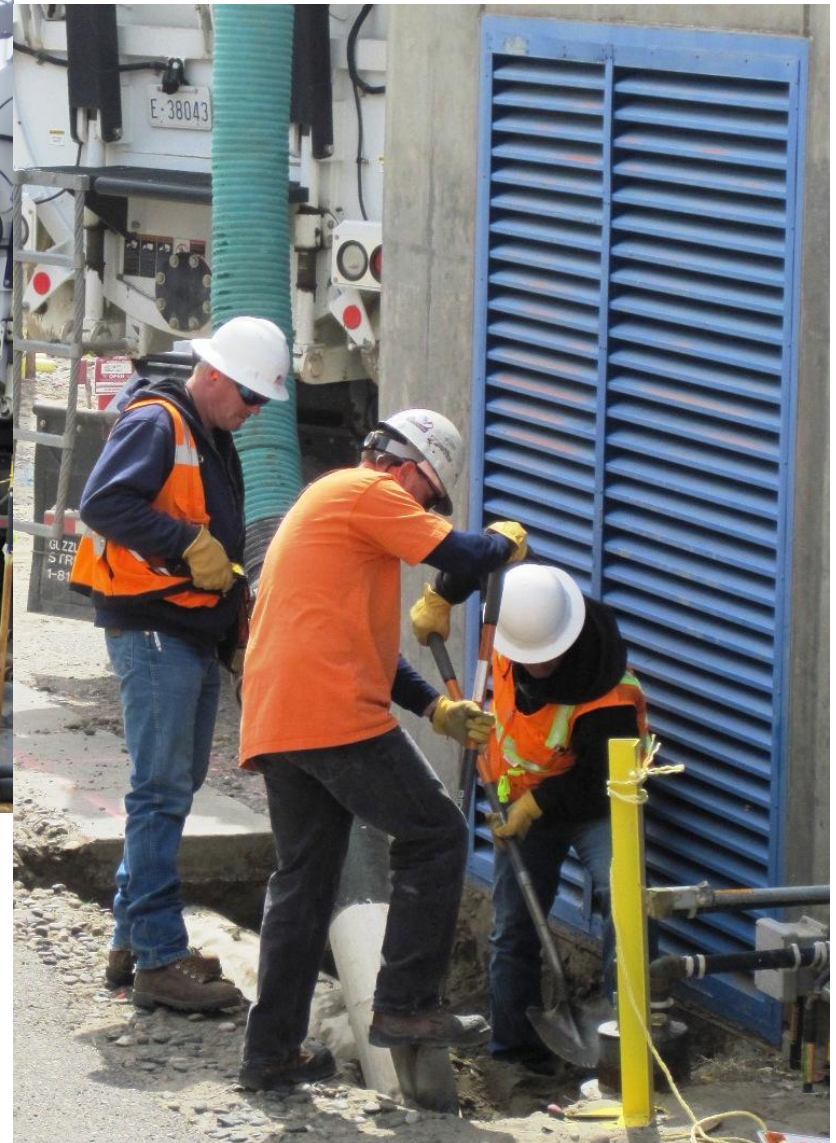
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# Central Plateau Inner Area Plutonium Finishing Plant



*Diesel storage tank size  
reduction*



*Excavating fuel  
transfer lines*



# Central Plateau Inner Area Trench Cleanup



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# Central Plateau – Progress Update



*U Plant Fill from  
183-KW*

*Core Drilling*





# Central Plateau Inner Area Environmental Restoration Disposal Facility



*Leachate Cover*

*Tanks 3 & 4*



# Central Plateau Inner Area Environmental Restoration Disposal Facility



*Railroad Ties*



*ERDF Aerial  
View*





# Central Plateau – Progress Update



*284-W Before*



*284-W After*



*209-E  
Glovebox  
Removal  
Before*



*209-E  
Glovebox  
Removal  
After*



# Central Plateau – Inner Area

## *Deep Vadose Zone*



*Soil Desiccation Test  
Injection Wells*





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# **BACK-UP SLIDES**